OMB Control # 2060-0482

For EPA Use Only ID # _____

SECTOR _____

Worksheet 5. Application Summary

03-0066

This worksheet will be posted on the web to notify the public of requests for critical use exemptions beyond the 2005 phase out for methyl bromide. Therefore, this worksheet cannot be claimed as CBI.

1. **Consortium Name:** Michigan's Field Grown Herbaceous Perennial Growers
2. **Location:** Michigan, one grower in Illinois
3. **Crop:**
4. **Pounds of Methyl Bromide Requested** 2005 12,388 lbs.
5. **Acres Treated with Methyl Bromide** 2005 35 Acres
6. **If methyl bromide is requested for additional years, reason for request:**

We are still conducting research into alternatives. We hope to have some workable alternatives to begin using in 2006-2007, but anticipate that it may take more time to expand the use of the alternatives.

2006 10,500 **lbs.** **Area Treated** 30 **Acres**

2007 7,000 **lbs.** **Area Treated** 20 **Acres**

Place an "X" in the column(s) labeled "Not Technically Feasible" and/or "Not Economically Feasible" where appropriate. Use the "Reasons" column to describe why the potential alternative is not feasible.

Potential Alternatives	Not Technically Feasible	Not Economically Feasible	Reasons
1,3 D Dichloropropene	x	x	Can't be used where certain weeds, diseases are a problem
1,3-D Dichloropropene, Chloropicrin	x	x	Can't be used where certain weeds are a problem; expect similar costs as Telone II
1,3-D Dichloropropene, metam sodium	x		Metam sodium- erratic control, can't use in urbanized areas
Chloropicrin	x		Does not control nematodes or weeds adequately
metam sodium	x		Metam sodium- erratic control, can't use in urbanized areas
metam sodium, chloropicrin	x		Metam sodium- erratic control, can't use in urbanized areas
metam sodium, crop rotation	x		Metam sodium- erratic control, can't use in urbanized areas
biofumigation	x		Doesn't control weeds adequately. Won't produce pest and pathogen-free plants for growing
solarization	x		not feasible under Michigan field conditions
steam	x	x	steaming slow; best suited to small acreages; continuous cropping. Initial capital investment high
biological control	x		no biological controls developed to cover all the pests
crop residue compost	x		does not adequately control all targeted pests; not practical in a field setting.

Potential Alternatives	Not Technically Feasible	Not Economically Feasible	Reasons
crop rotation/fallow	x		doesn't adequately control target pests.
flooding and water management	x		
general IPM	x		doesn't adequately control target pests.
grafting, resist. rootstock, plant breeding, resist. cultivars	x		none of the perennials grown are grafted; very few resistant cultivars, still weed issues
soilless culture, substrates, plug plants		x	very high initial costs to convert from field use to growing in artificial media
organic amendments, compost	x		Doesn't control target pests- pest-and pathogen free plants can not be produced with this alternative.